

Noorda Engineering & Applied Science Building



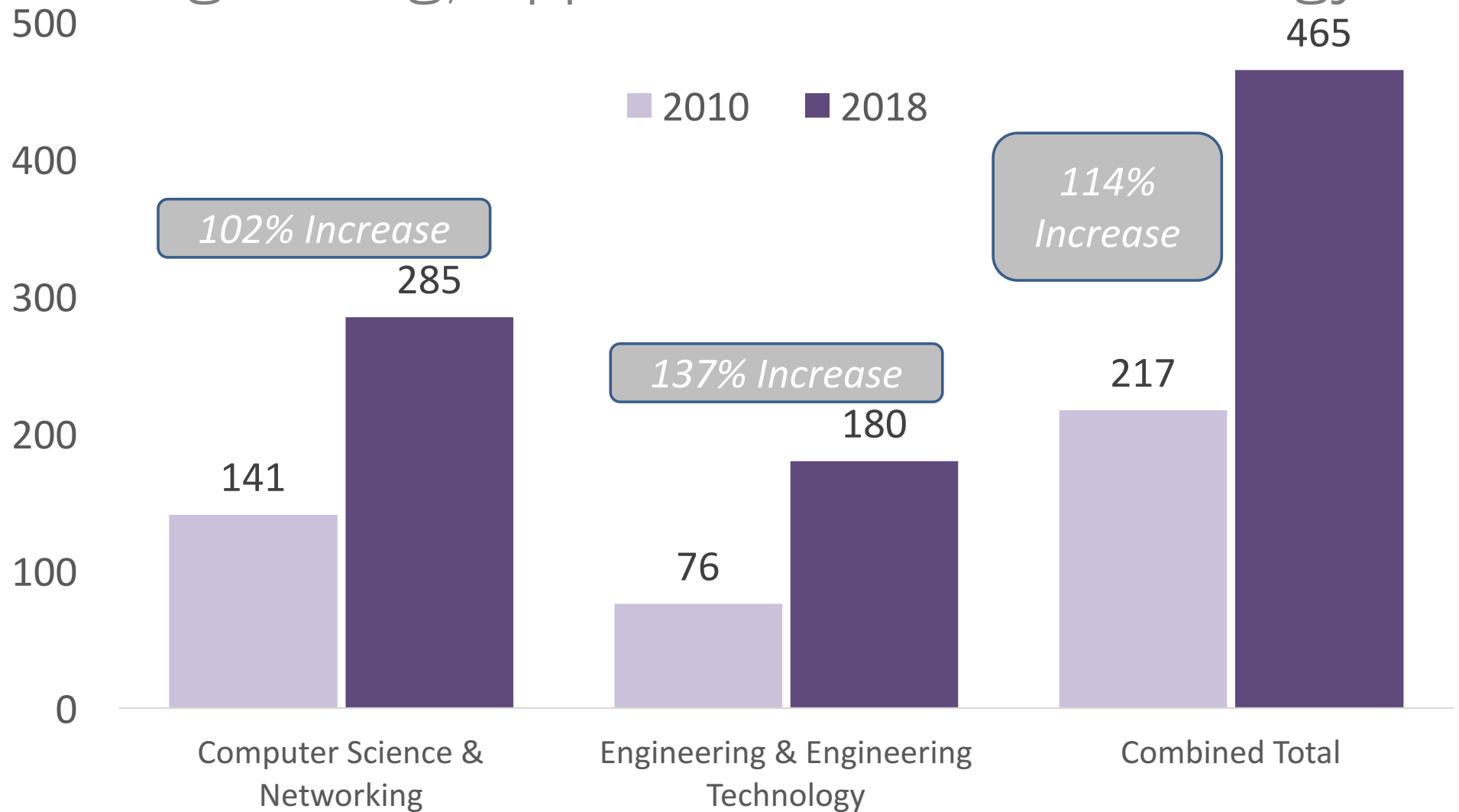
WEBER STATE UNIVERSITY

Infrastructure & General Government
Appropriations Subcommittee
February 8, 2019



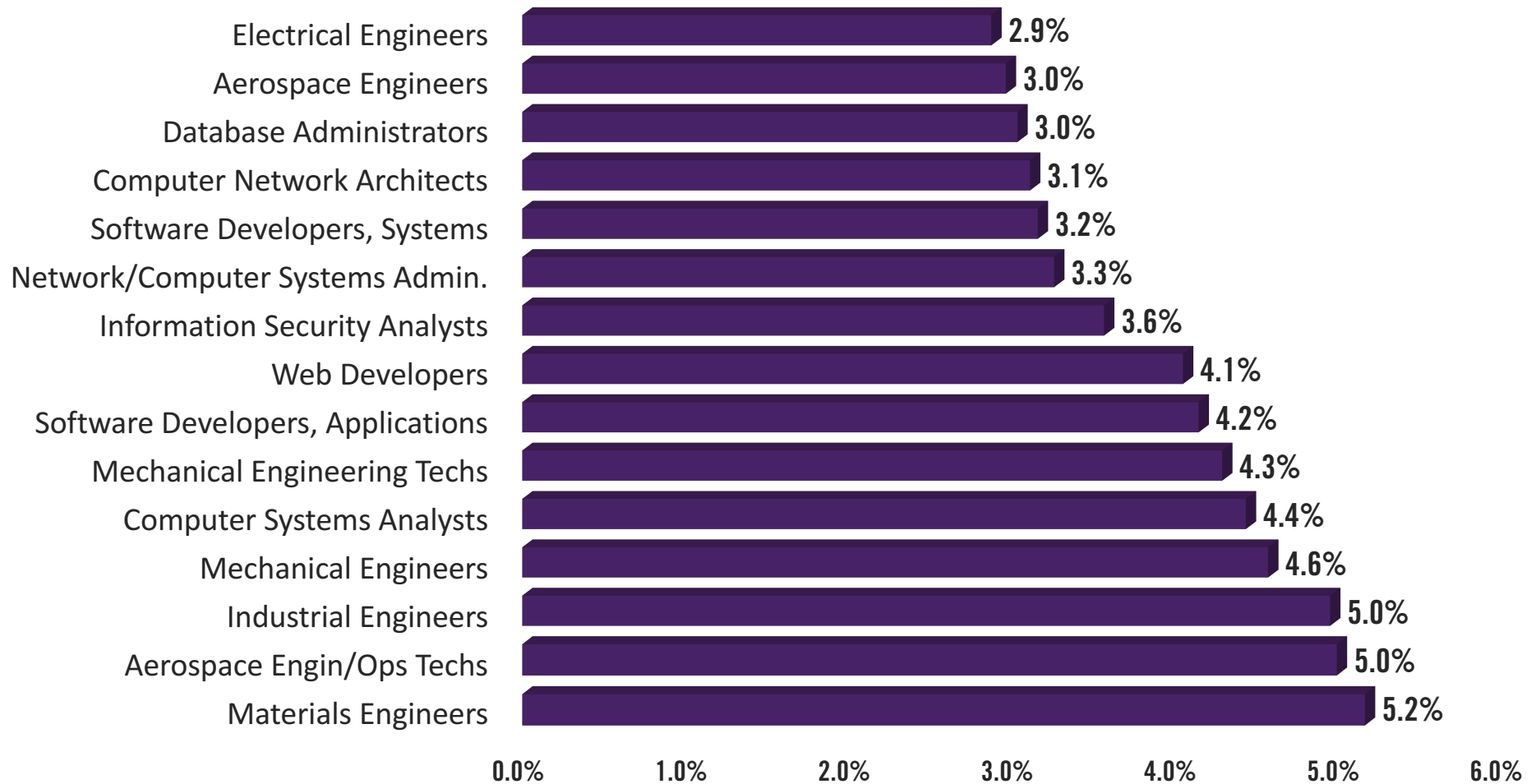
EAST Graduates

(Engineering, Applied Science & Technology)



DWS 2024 Occupational Projections

Ogden-Clearfield MSA Annual % Growth





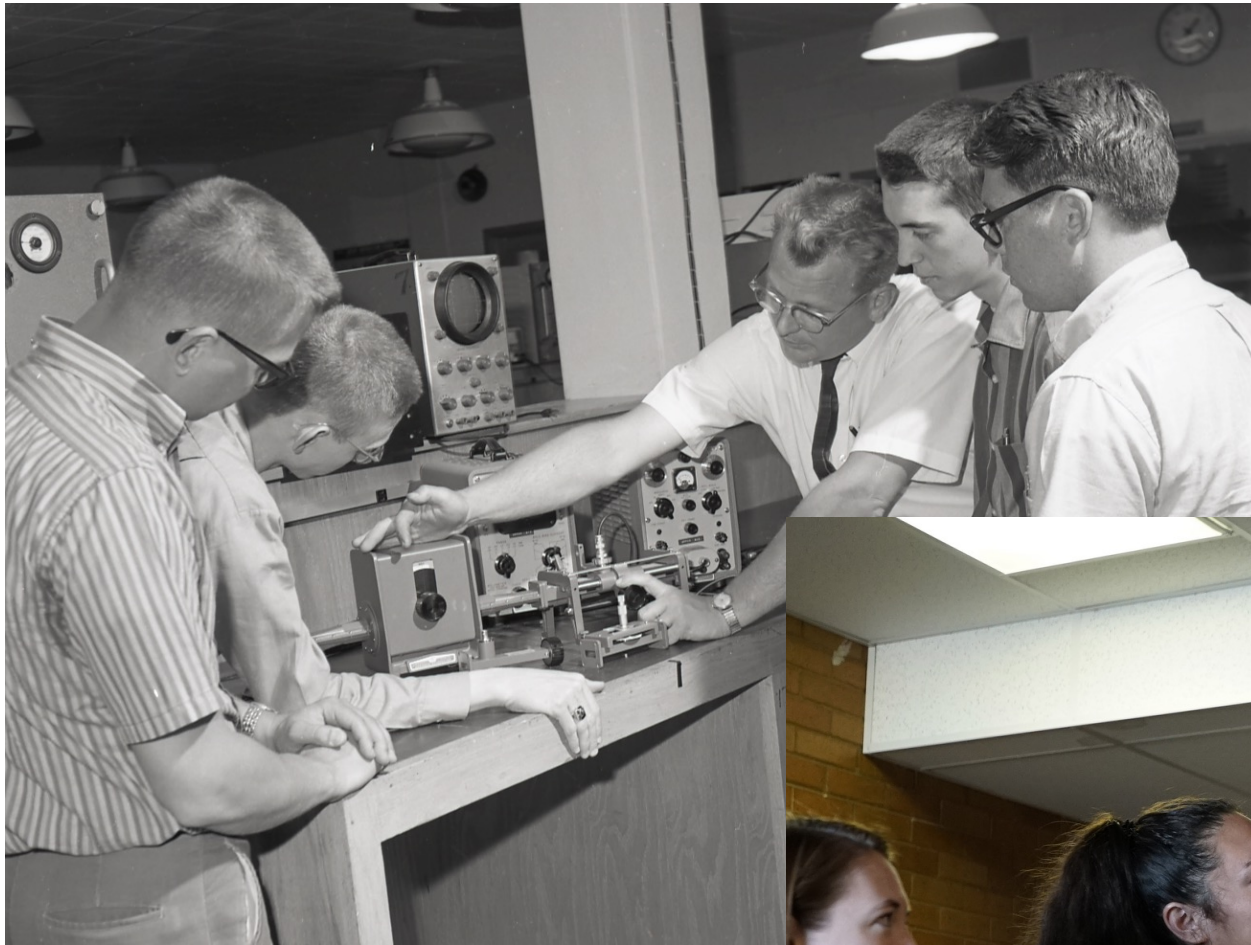
NORTHERN UTAH ACADEMY
for MATH, ENGINEERING & SCIENCE

- Ranked #1 out of 143 High School in the Utah Comprehensive Accountability System (UCAS) Report
- One of largest high school engineering programs in Utah.
- Committed to guiding underrepresented students into STEM.
- Over 50% of NUAMES seniors earn an Associate's Degree



Portable classrooms



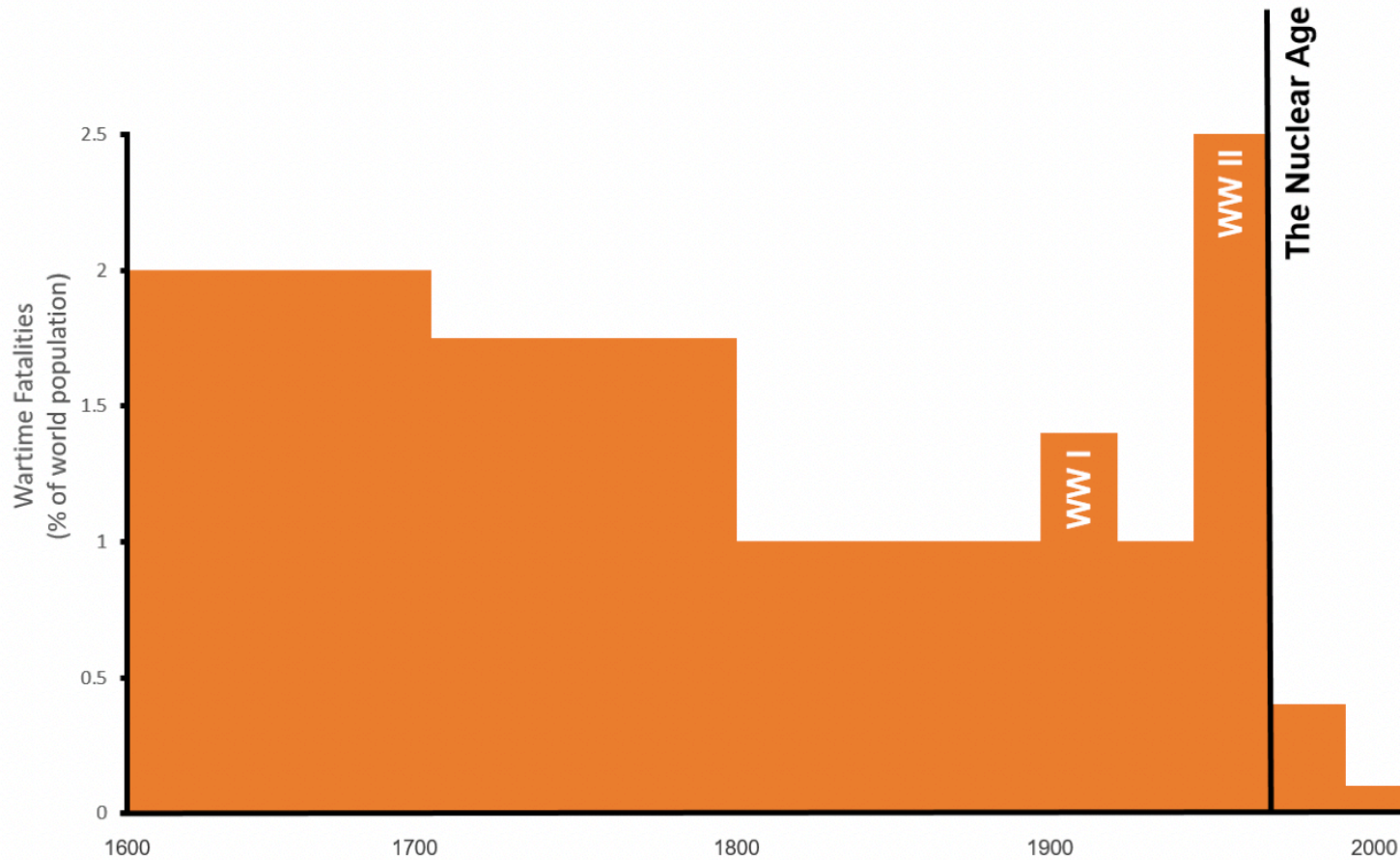




Why Nuclear Deterrence?

The Human Cost of War

Sources: Levy, 1983; Correlates of War Project; PRIO



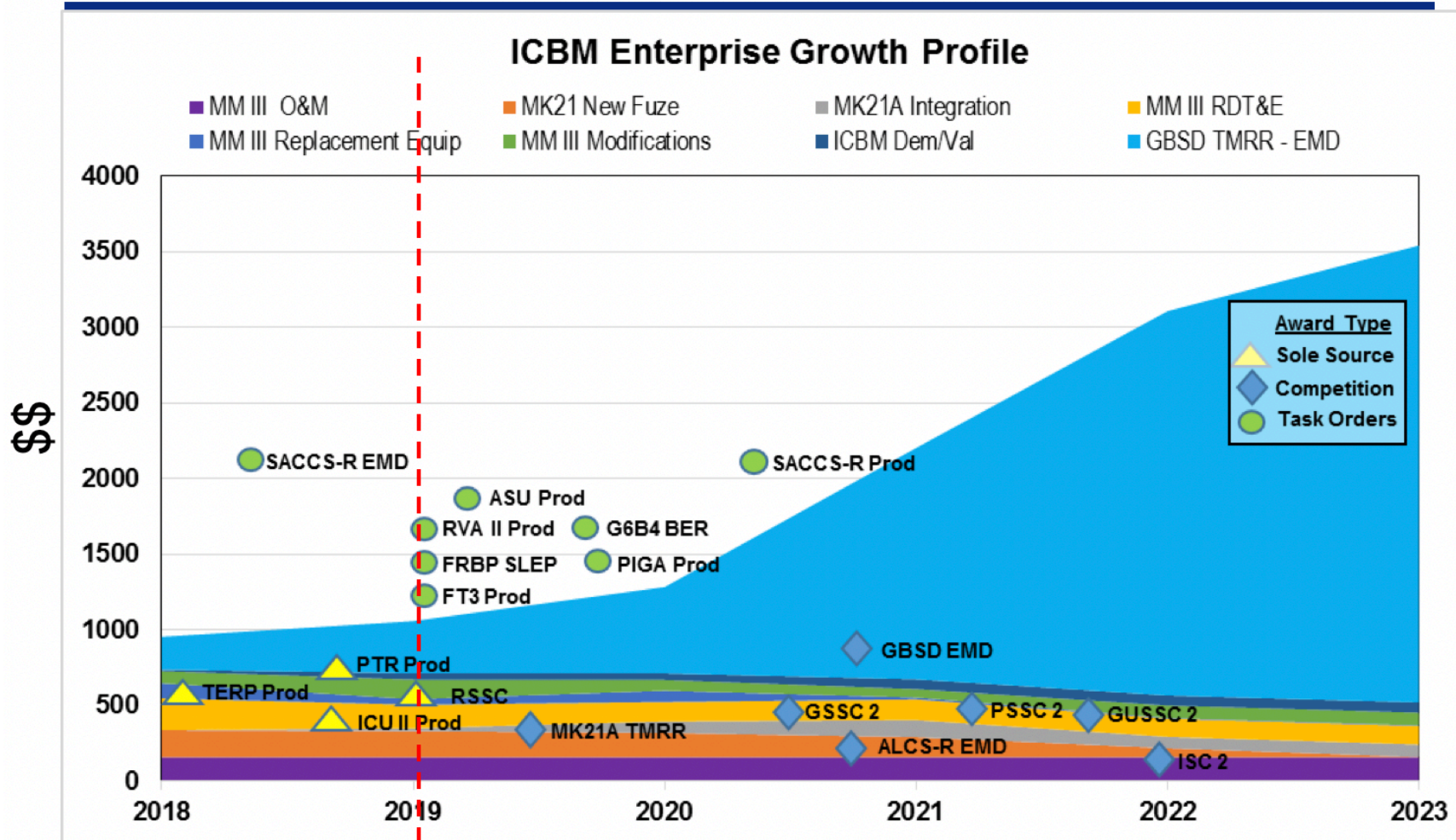
Never Doubted, Always Feared





ICBM Enterprise Growth Profile

GBSD in Context



Never Doubted, Always Feared



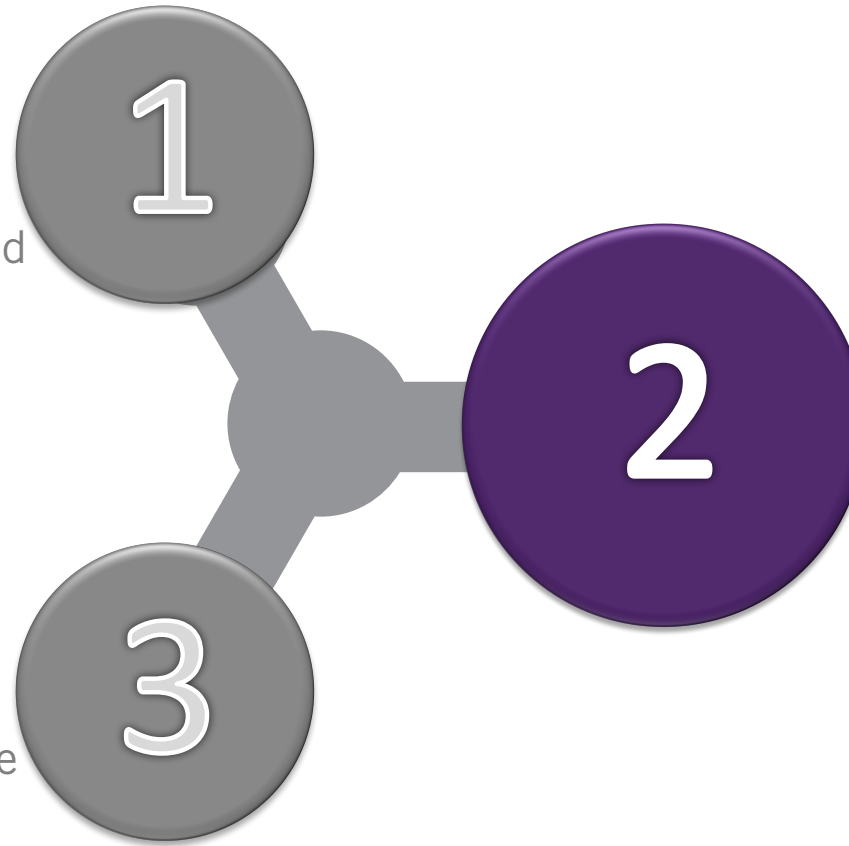
Three-Phase EAST Expansion

Computer & Automotive Engineering Building

- Davis Campus
- Non-state funds
- Construction authorized

Engineering Technology Building

- Ogden Campus
- Renovate with capital improvement and private funds



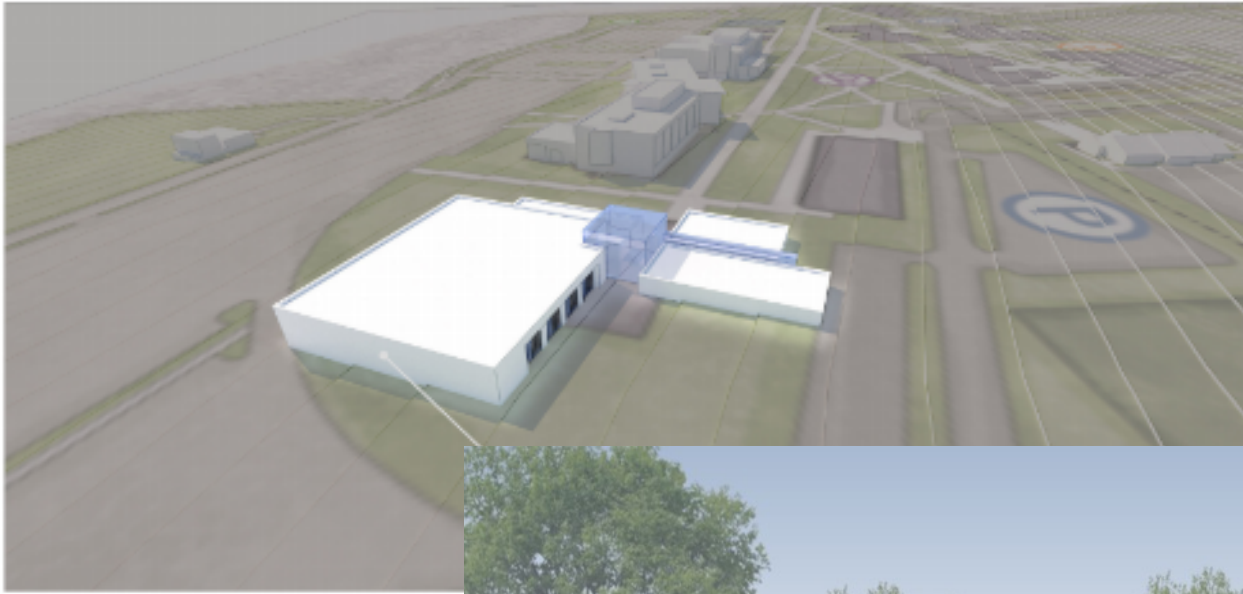
Noorda Engineering & Applied Science

- Ogden Campus
- Demolish/renovate Technical Education Building
- State and non-state funds
- Authorized for planning/design



Phase 1 – WSU Davis

Computer & Automotive Engineering Building



DAVIS CAMPUS



Phase 2 & 3 – WSU Ogden

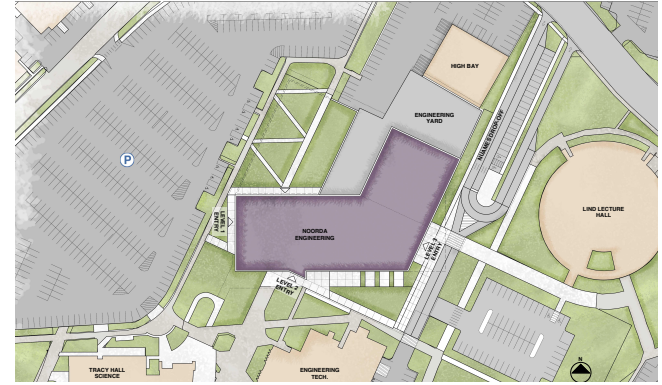
Noorda Building & Engineering Tech Building



Noorda Engineering & Applied Science

Total Cost:	\$58,150,900
State Funds:	\$45,900,900
Other Funds:	\$12,250,000
State-funded O&M:	\$659,200

Replacement Space:	68,700
Renovated Space:	19,200
New Space:	60,464
Total Project:	148,364



Top 10 Most in Demand Skills in the World



Source: ManPower Group 2018 Talent Shortage Survey



EAST listens to and responds to changing industry needs:



Hill Air Force Base

Highly technical missions include:

- F-35 fighter jets
- Intercontinental ballistic missiles (ICBM)

NORTHROP GRUMMAN

(global security/aerospace and defense technologies)

- Includes former Orbital ATK
- HAFB: Propulsion systems
- Layton: Aircraft manufacturing
- Clearfield: Engineering, component refurbishment, aerospace structures

BAE SYSTEMS

Principal contractor for sustainment of Minuteman III ICBMs at HAFB



(multinational corporation designs and manufactures commercial jets, and defense, space and security systems)

- Ogden: Aircraft manufacturing
- Layton: Engineering



The End Result:

163,000 feet of 50-plus year-old, antiquated
space

is converted to

273,000 feet of high-quality, modern
instructional space



Maximizing State Investment

Project	Davis	Noorda	Eng. Tech.	Total
Existing Square Foot	0	87,976	75,000	162,976
Renovated Square Foot	0	19,200	75,000	94,200
New Square Foot	50,000	129,164	0	179,164
Total Cost	\$17,600,000	\$58,150,900	\$10,000,000	\$85,750,900
State Funding	\$0	\$45,900,900	\$5,000,000	\$49,900,900
Private/Other Funding	\$17,600,000	\$12,250,000	\$5,000,000	\$34,850,000
Cost per Square Foot (new and renovated)	\$352/s.f.	\$392/s.f.	\$133/s.f.	\$325/s.f.
State Cost per Square Foot (new and renovated)	\$0 s.f.	\$355/s.f.	\$67/s.f.	\$183/s.f.



Thank You!

